

Activity 1

Add & Subtract Integers

Calculate.

	3	4	6	2	1
+	2	5	7	3	4

	4	7	6	1	3	2	5
-		9	3	8	0	5	2

$$67,832 + 5,258$$

$$834,501 - 193,642$$



What happens when there is more than 10 in a place value column?

Activity 1

Add & Subtract Integers

Calculate.

	4	8	2	4	0	5
+	2	3	9	4	2	0

	8	3	7	0	1	0	5
-		5	6	0	1	7	3

	5	2	7	4	2	8	9
+		8	3	5	8	1	7

Activity 2

Add & Subtract Integers

A four-bedroom house costs £450,000. A three-bedroom house costs £199,000 less. How much does the three-bedroom house cost? What method did you use to find the answer?



?

When should we use our mental methods?

Activity 2

Add & Subtract Integers

House A costs £750,000. House B cost £99,320 less. How much does house B cost? What method did you use?



Activity 3

Add & Subtract Integers

Calculate the missing digits. What do you notice?

	5	2	2	4	7	?
+	3	?	5	9	0	4
	9	0	?	3	?	2

?

How can we find the missing digits? Can we use the inverse?

Activity 3

Add & Subtract Integers

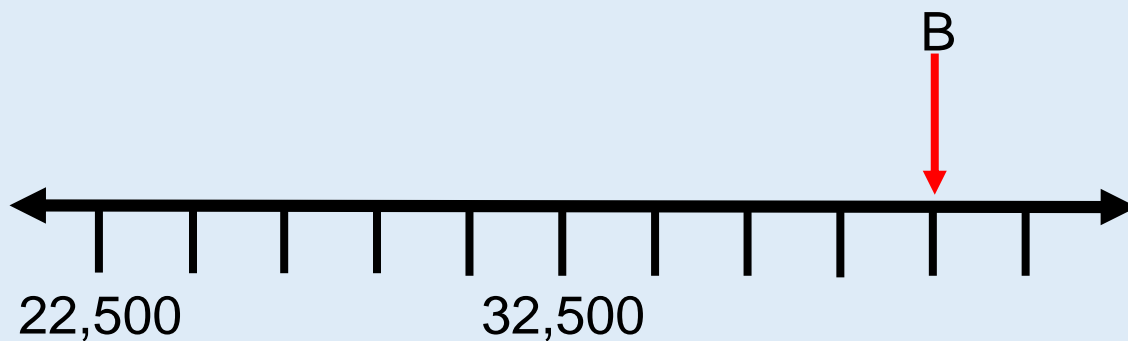
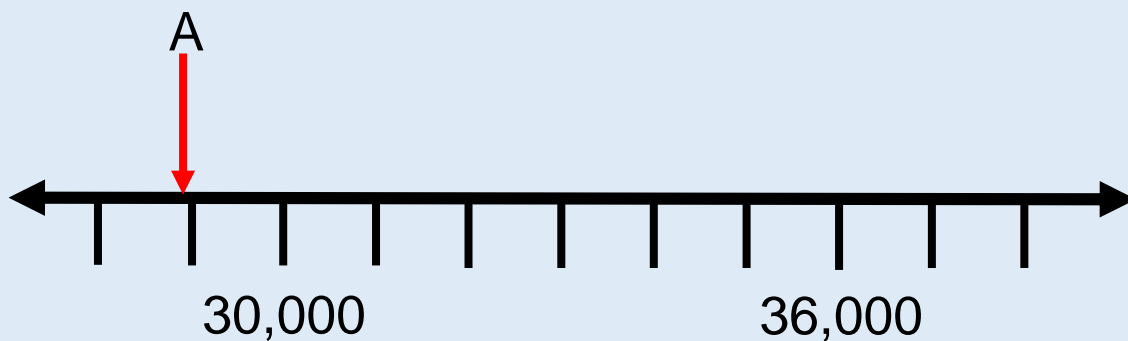
Calculate the missing digits. What do you notice?

	4	?	2	8	4	9
+	2	5	2	4	0	?
	7	0	?	2	?	4

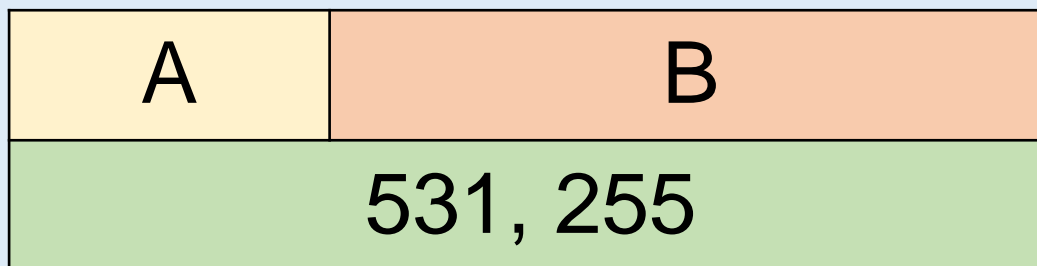
Reasoning - 1

Add & Subtract Integers

Find the difference between A and B.



Here is a bar model.



A is an odd number which rounds to 100,000 to the nearest ten thousand. It has a digit total of 30.

B is an even number which rounds to 400,000 to the nearest hundred thousand. It has a digit total of 9.

A and B are both multiples of 5 but end in different digits.

What are possible values of A and B?